

*A Visit to*  
**FORT DUNLOP**

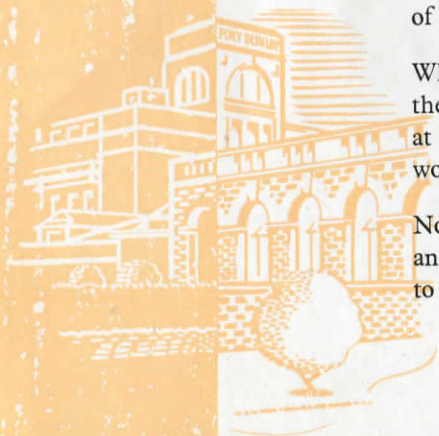
*The Stronghold of the  
British Tyre Industry*

**T**HIS booklet contains a photographic record of that part only of Fort Dunlop which is concerned with the making of tyres and tubes. It shows the processes involved in the preparation of the ingredients, and traces the various stages of manufacture through to the finished product.

A separate section deals with the Machine Tool Department, on whose work so much of the tyre and tube production depends.

Whilst every modern mechanical aid to speed and accuracy is incorporated throughout the factory, it will be apparent how much reliance is placed on the individual worker at each stage. Such pride of craftsmanship ensures that every tyre produced is indeed worthy of the title—"The World's Master Tyre".

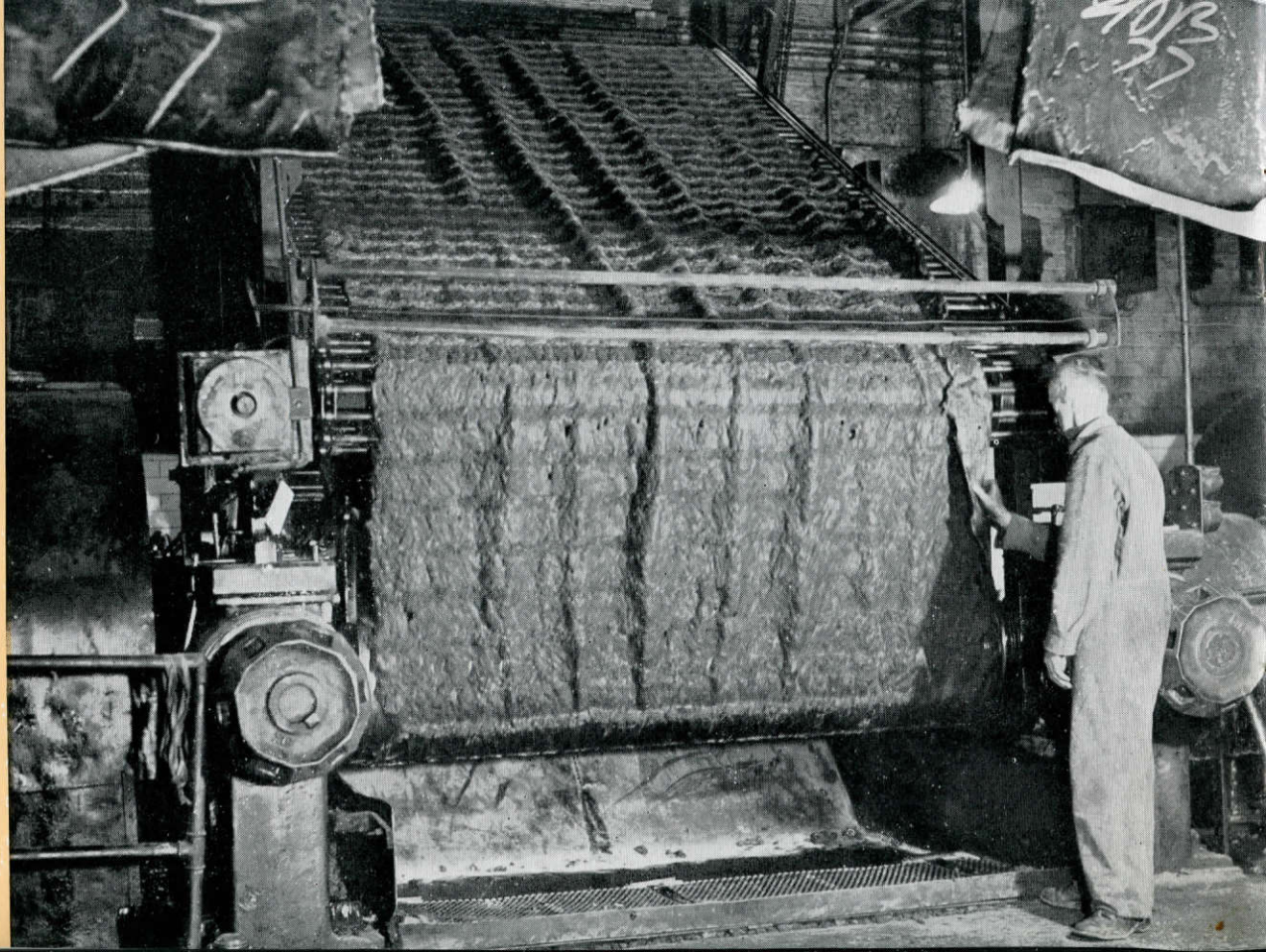
No factory of this size could be complete without full regard for the social activities and welfare of its employees. The last six pages of the booklet are therefore devoted to a brief glimpse of this all-important side of the organisation.



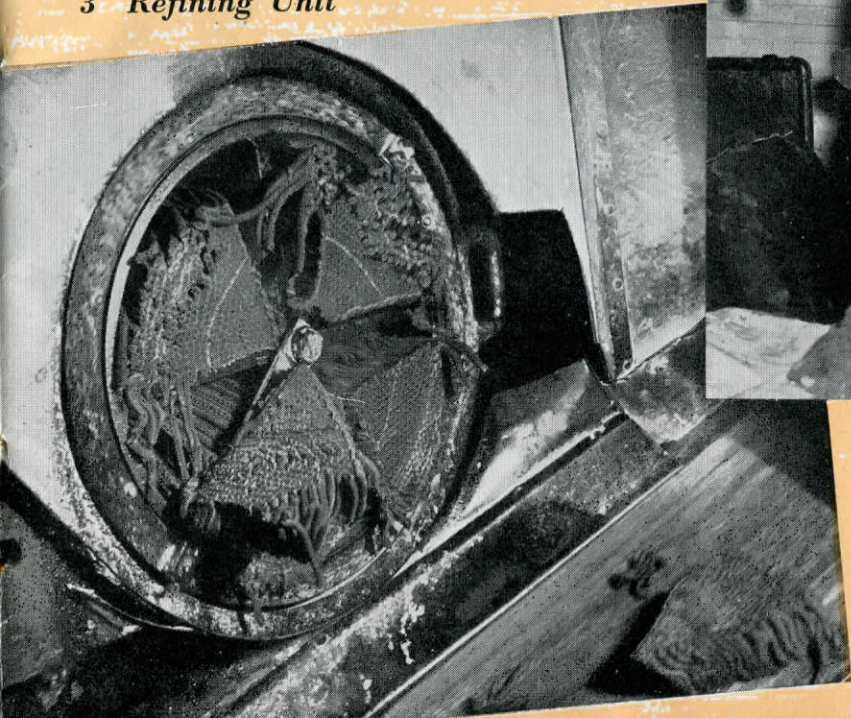


1  
*Cutting Press*

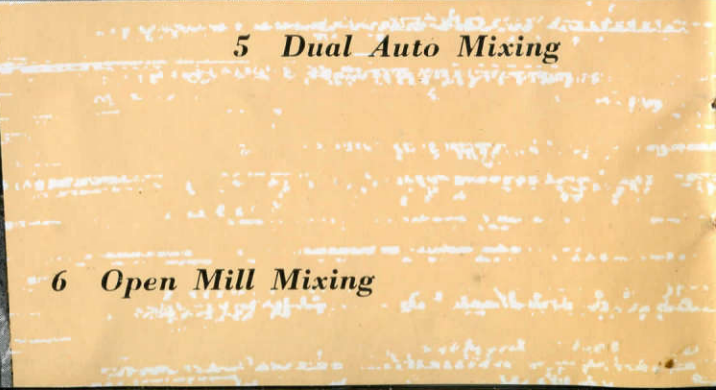
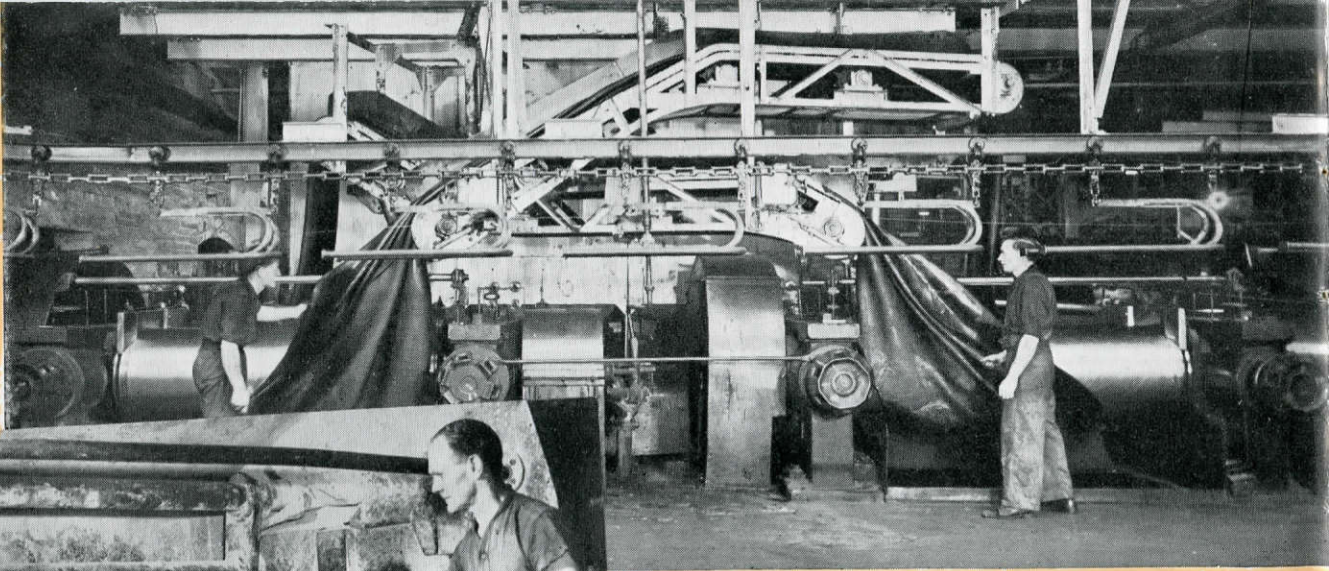
2  
*Masticating  
Unit*



**3 Refining Unit**



**4 Banbury Mixer**



*5 Dual Auto Mixing*

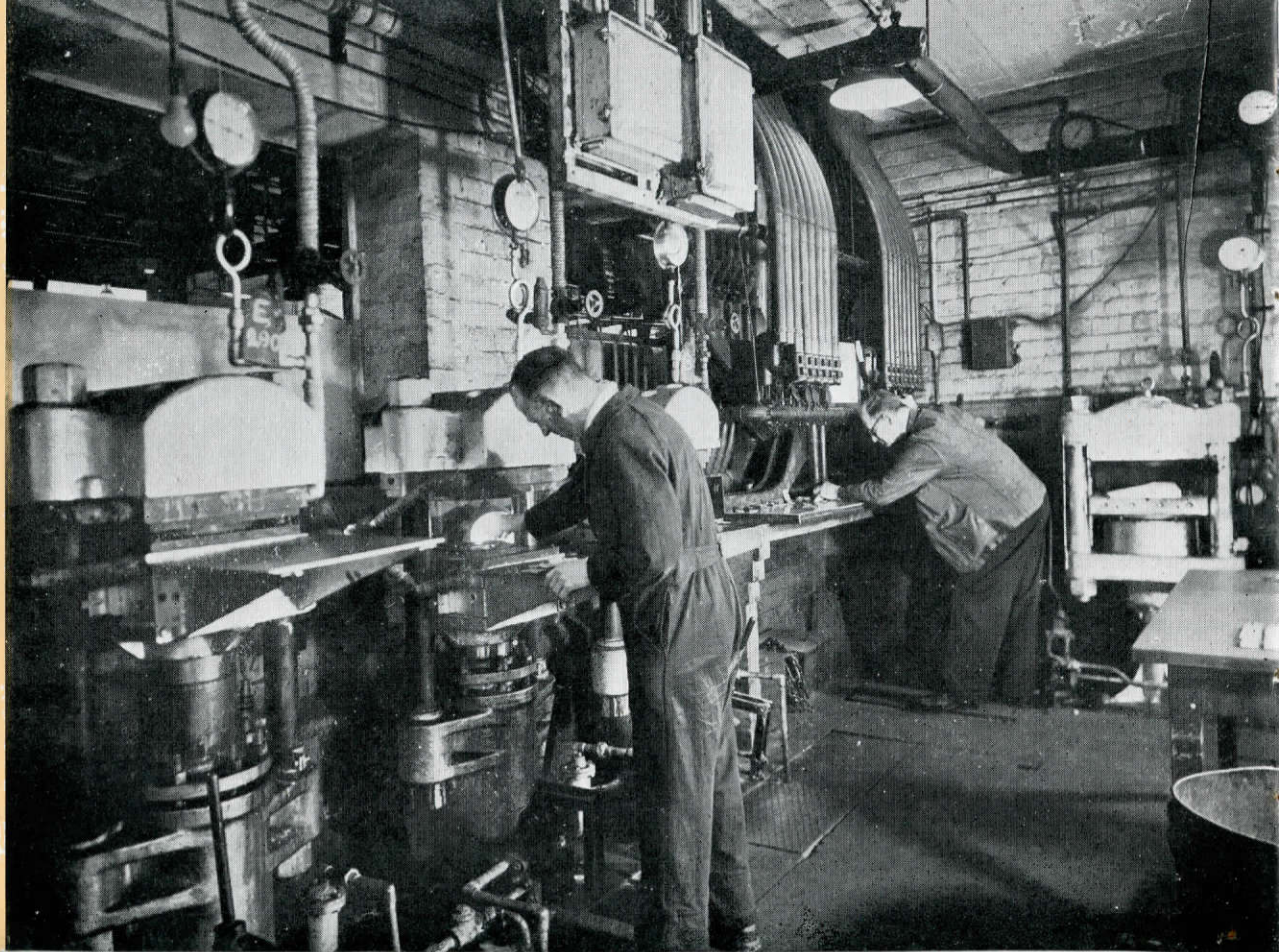
*6 Open Mill Mixing*



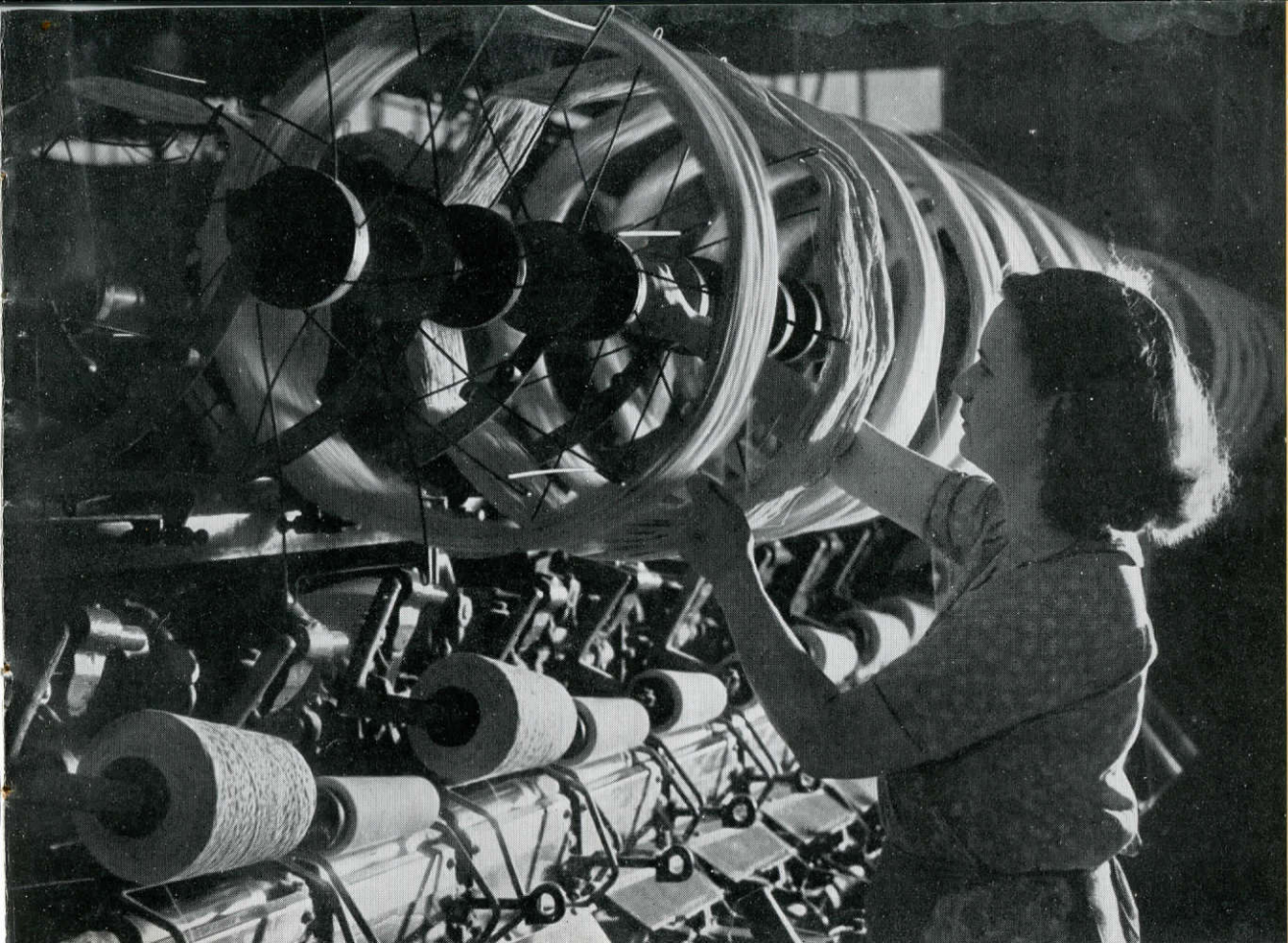
7  
*Overhead  
Conveyor*

8

*Mill Control  
Laboratory*







12  
*Cone  
Winding  
Frames*

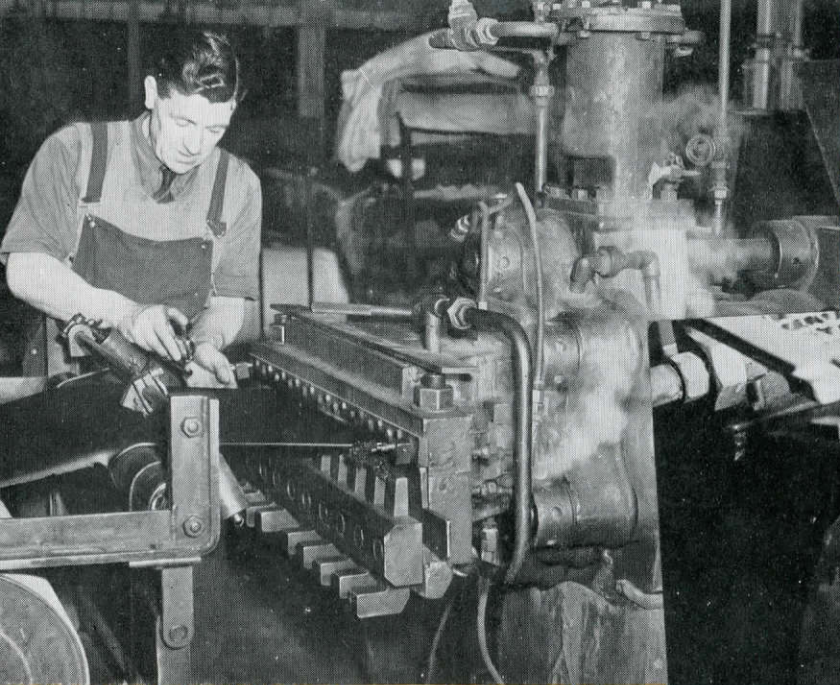


*13 Topping Calender*

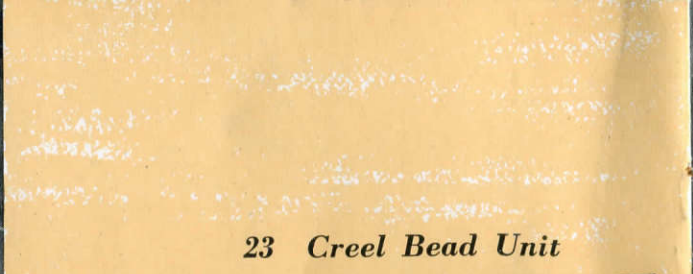


*14 Cycle Calender*

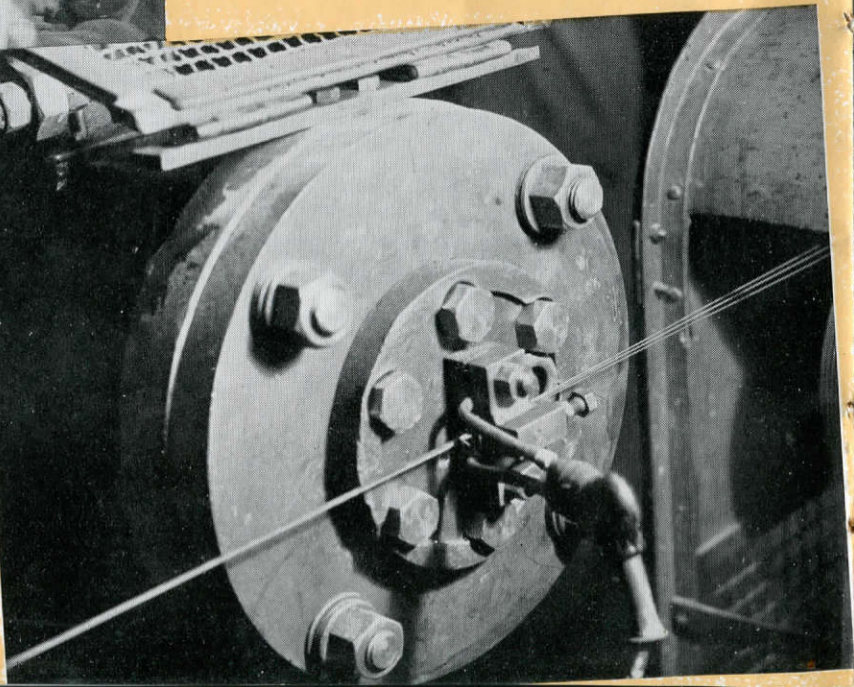


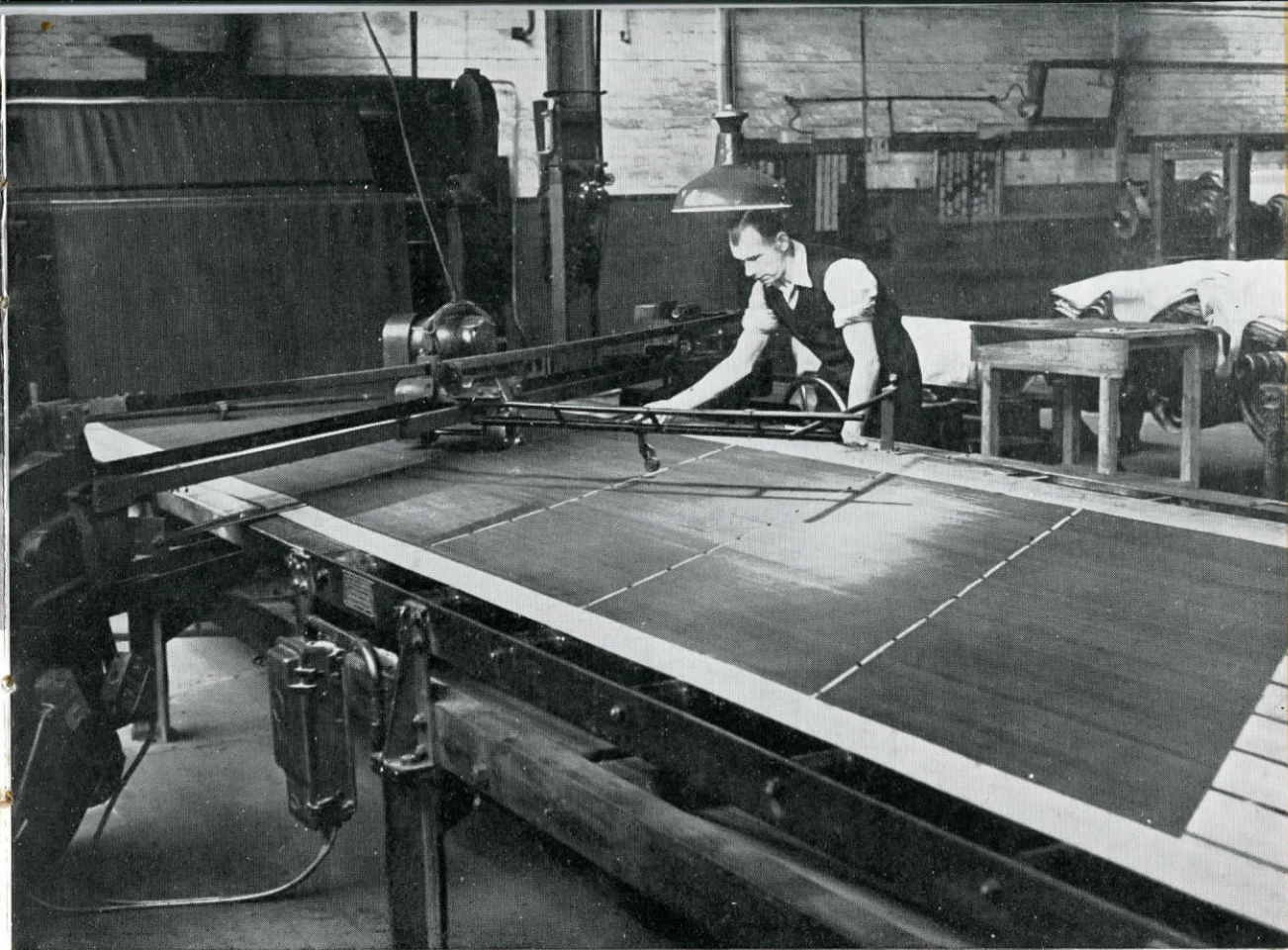


*22 Tread Extruder Unit*



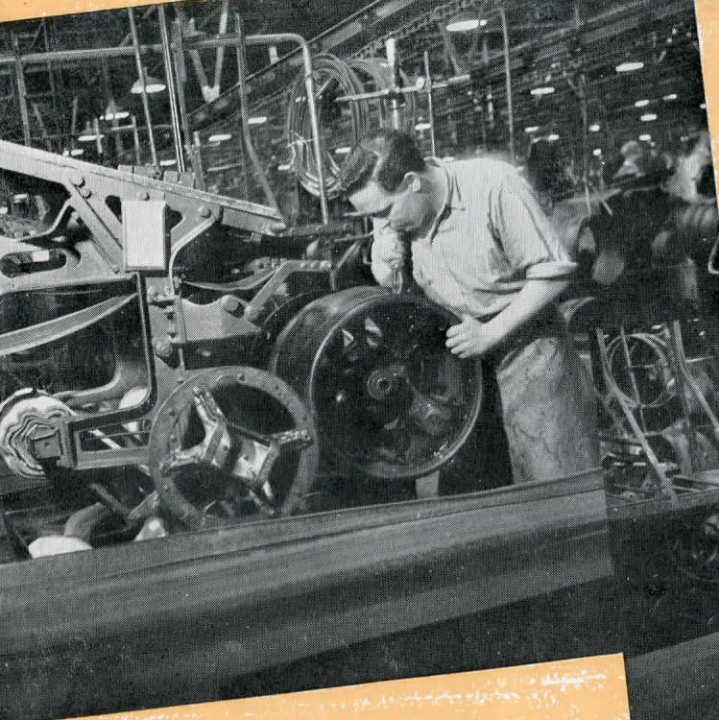
*23 Creel Bead Unit*



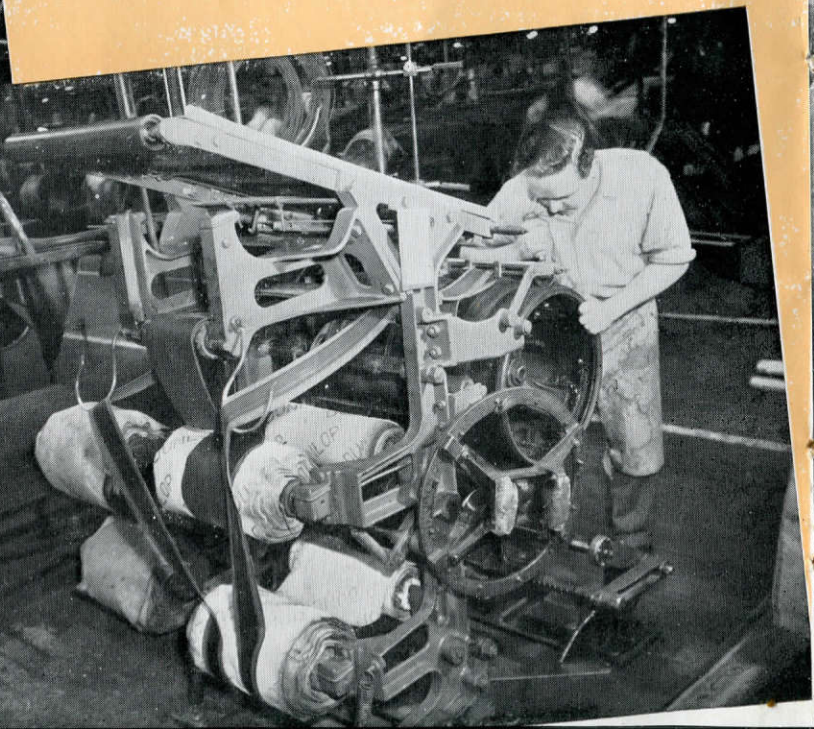


24

*Banner  
Bias Cutter*



25 *Casemaking Machine*



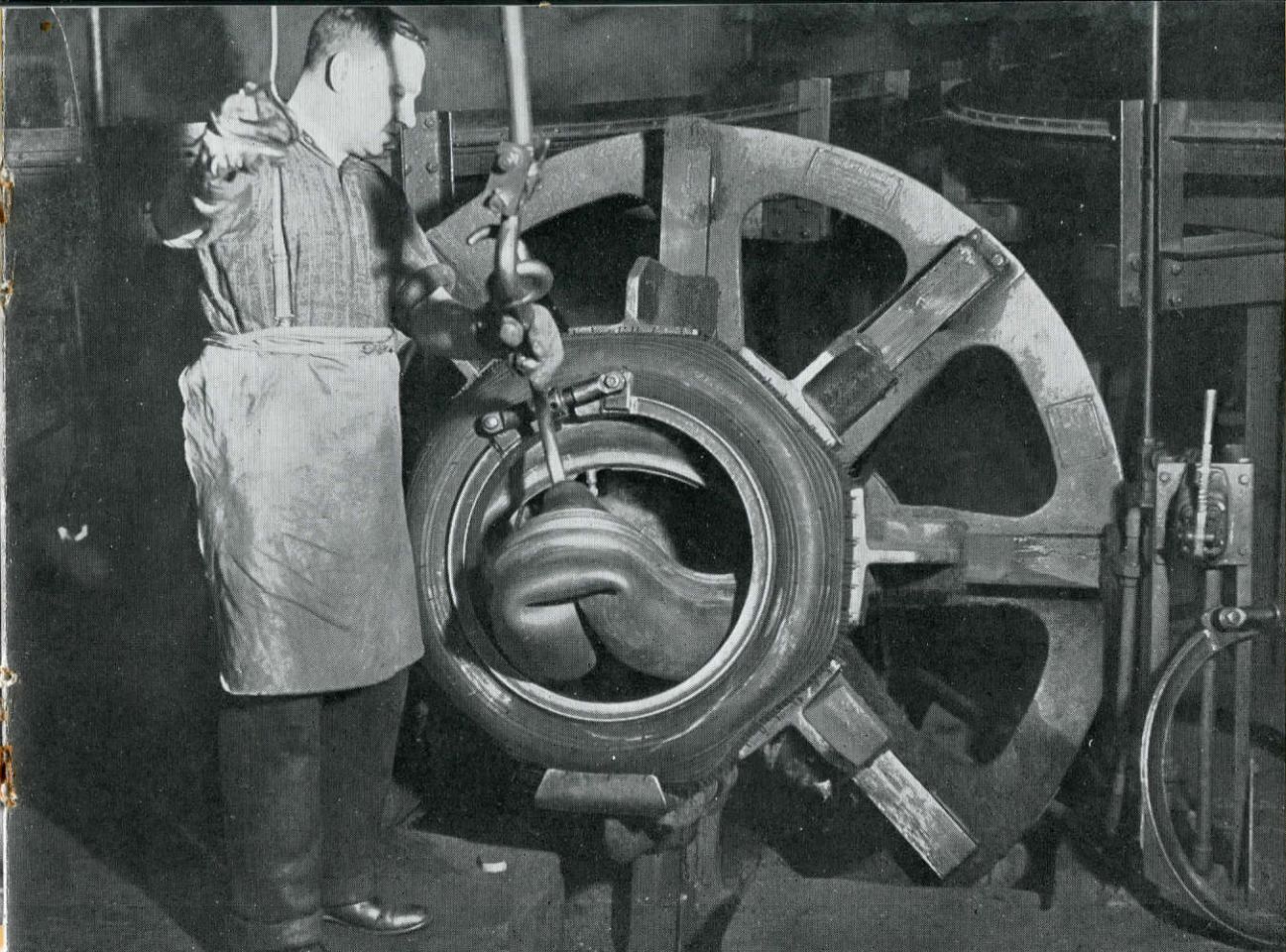


26 *Shaping Machine*



27 Tyre Moulding

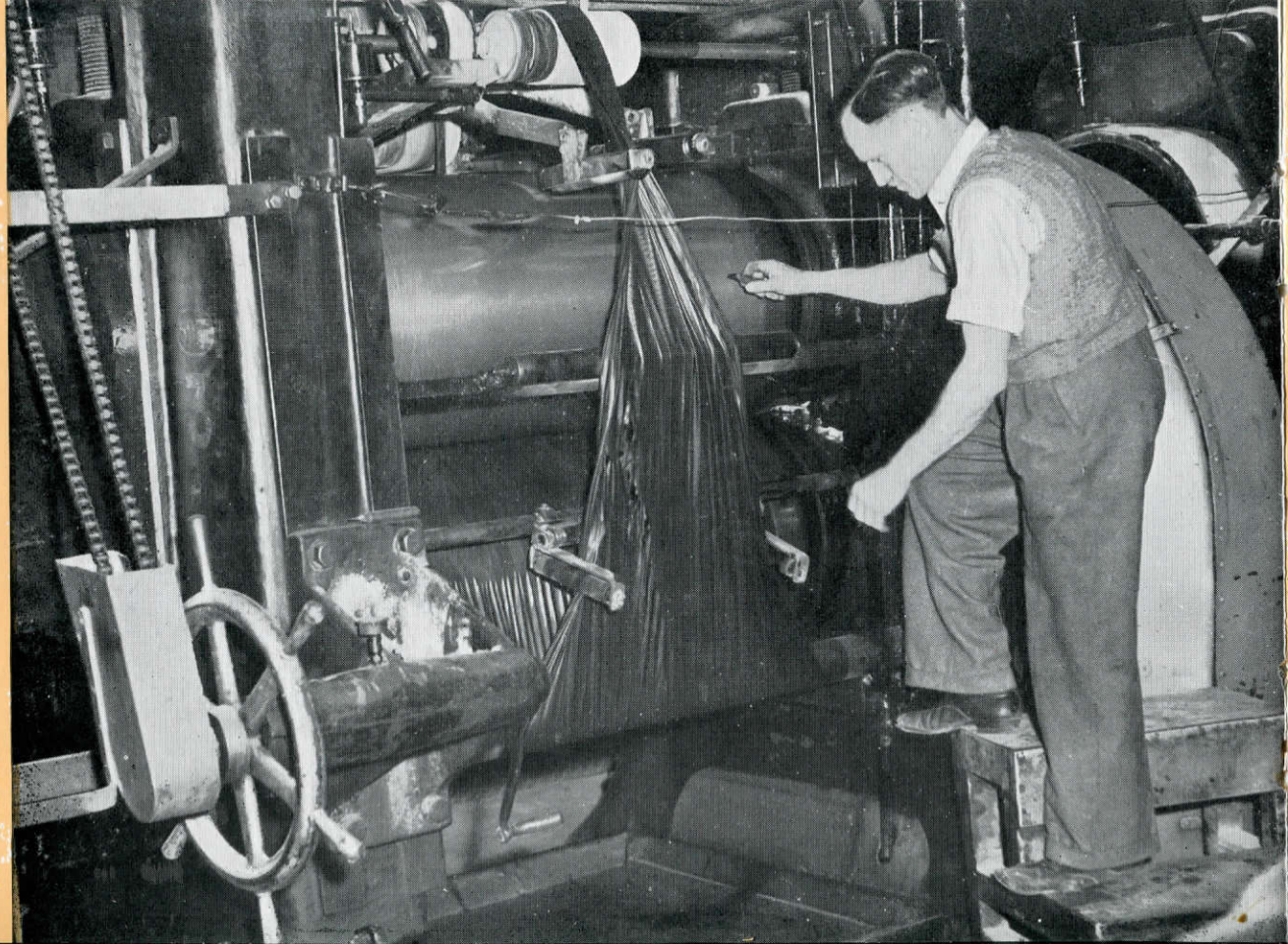


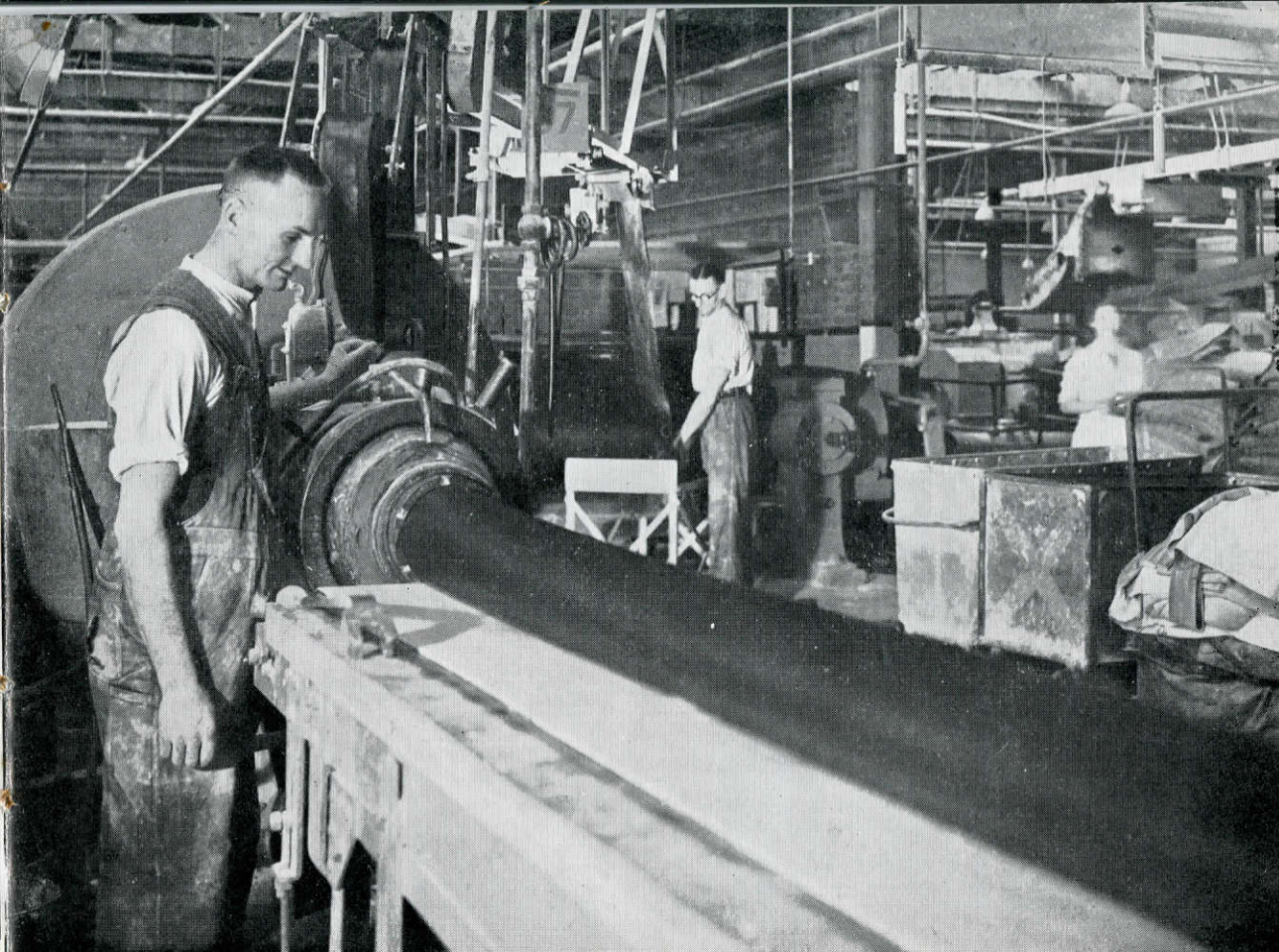


28  
*Curing Bag  
Extraction*

32

*Grinding  
Calenders  
(Tubes)*

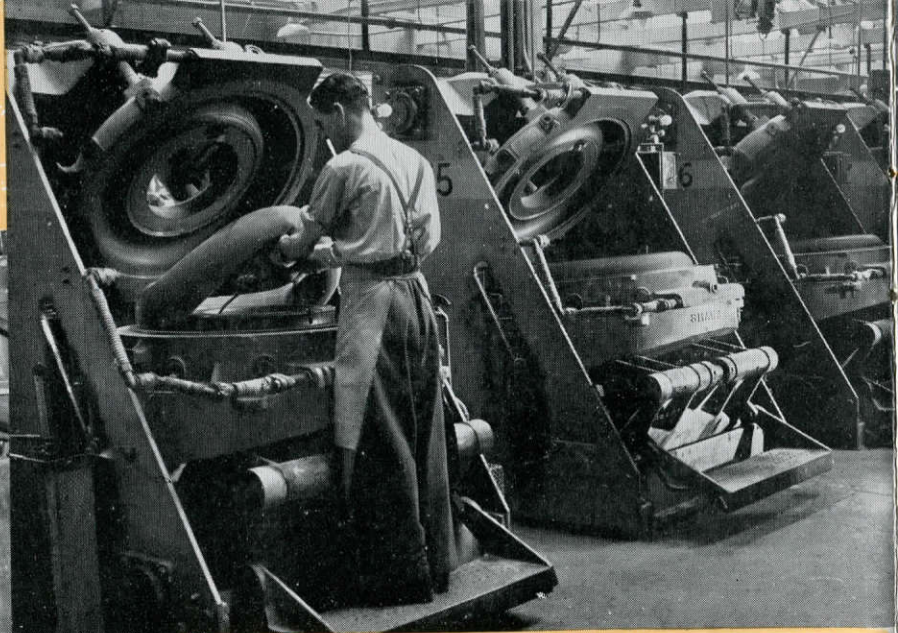




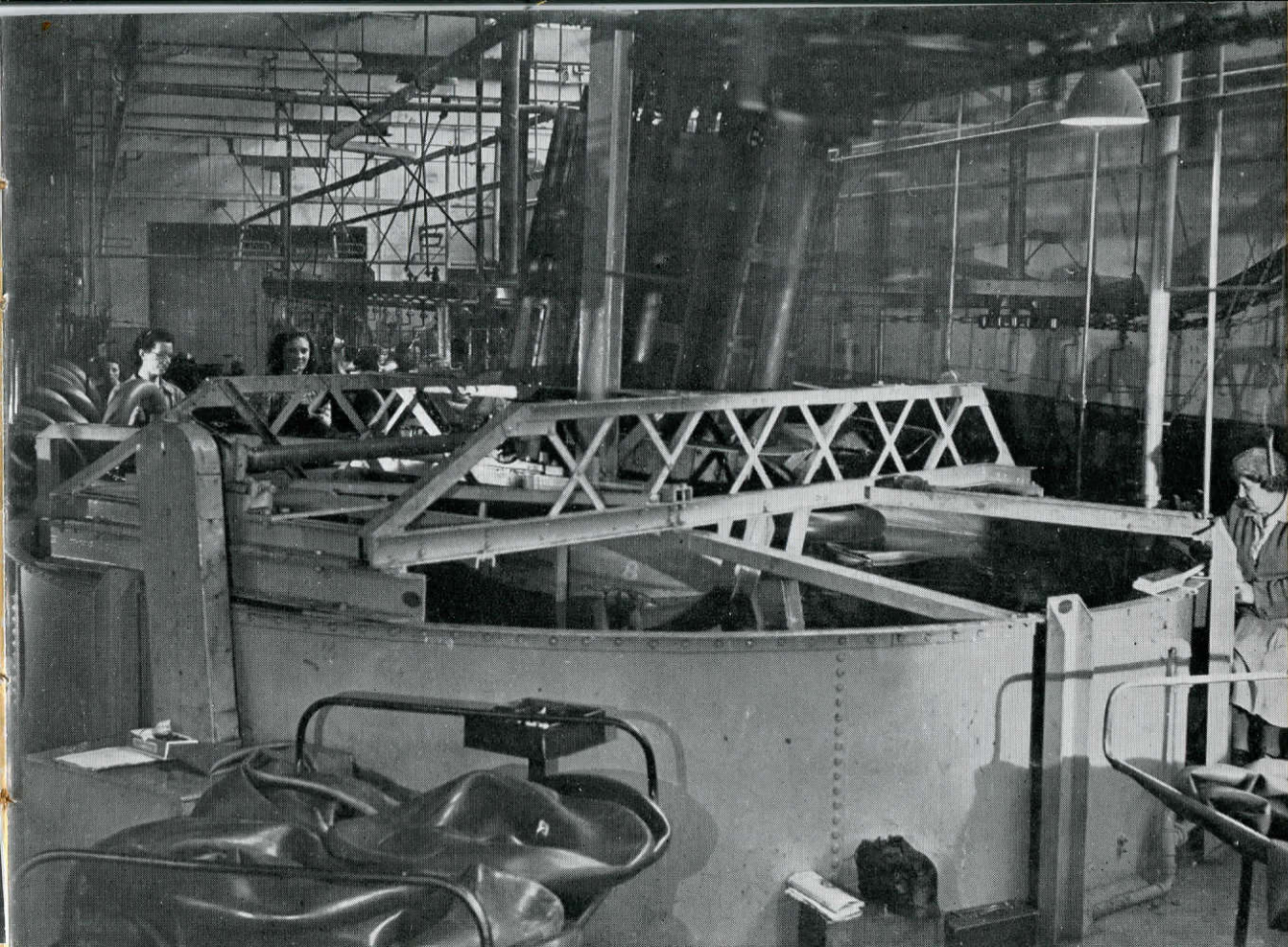
33

*Tube  
Extruder*

**34 Tube Joining and Sealing**



**35 Tube Moulding and Curing**



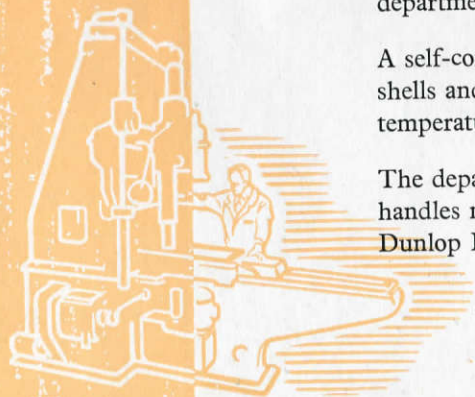
36  
*Tube  
Testing Unit*

THE Machine Tool Department which has many features of unusual interest, handles all the Company's normal engineering requirements and is the largest in the world owned by a tyre manufacturer. In fact, it is almost an engineering works in itself.

The Department contains the largest layout of boring machines in the country, a well organised and modern tool room, a welding and blacksmith's shop with its own mobile unit, and several heavy duty cranes—one capable of lifting 10 tons. There is also a milling and lathe section to deal instantly with the demands of the large maintenance department.

A self-contained diecasting section produces the silicon alloy segments for the mould shells and there is a hydroptic jig borer working to extremely fine limits in its own temperature-controlled room.

The department has its own drawing office and design section, and the despatch section handles moulds, machines and parts which are packed on the spot for distribution to Dunlop Factories in all parts of the world.

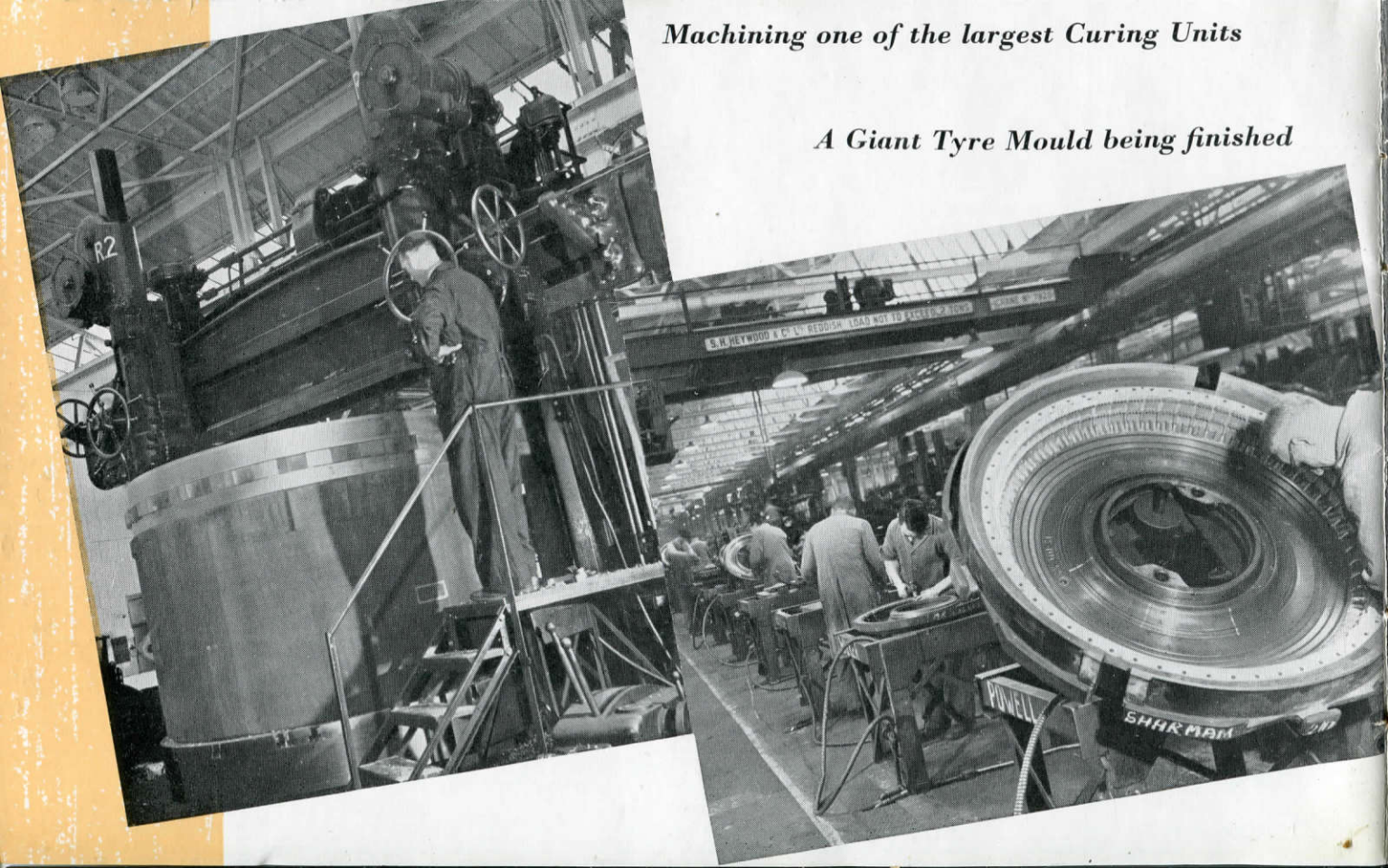




*One of the  
Machine  
Shop Bays*

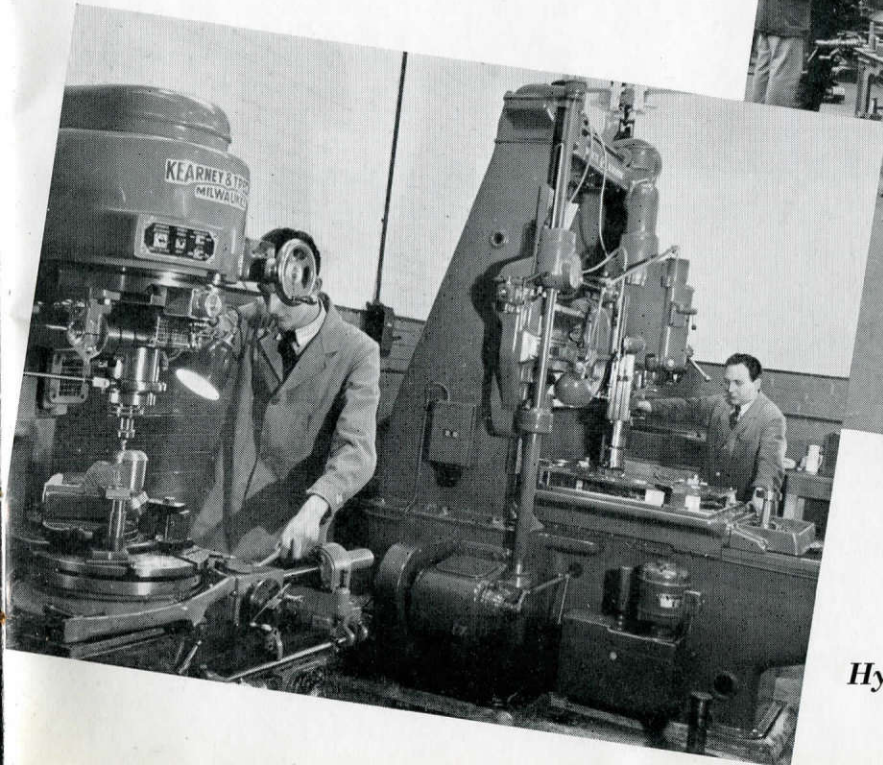
*Machining one of the largest Curing Units*

*A Giant Tyre Mould being finished*





*Tool Room – Universal  
Milling Machines*



*Hydroptic Jig Boring*

THE Social and Welfare activities at Fort Dunlop cover almost every sport and pastime and are provided generally through the Dunlop Sports and Social Club which is widely supported throughout the organisation.

Highlights are, of course, Annual Sports Day and Children's Day, both of which are held on the Playing Fields opposite the main office block, but throughout the whole year and according to season, employees are able to take part in a variety of outdoor and indoor activities.

The Works Council which meets regularly in the Council Chamber, is composed of operative members elected by the workers in the various departments, and management members appointed by the Company. This joint consultation ensures speedy and amicable agreement regarding conditions throughout the factory.

Well equipped Surgeries for men and women, with a qualified nursing staff, are situated at suitable points in the factory, and a motor ambulance is always available in case of emergency.





*Works  
Council  
Chamber*

*Employees'  
Suggestions*

*Presentation  
of the  
Livery  
Trophy  
for the best  
suggestion  
of the year*





*Children's  
Day  
at the  
Sports  
Field*





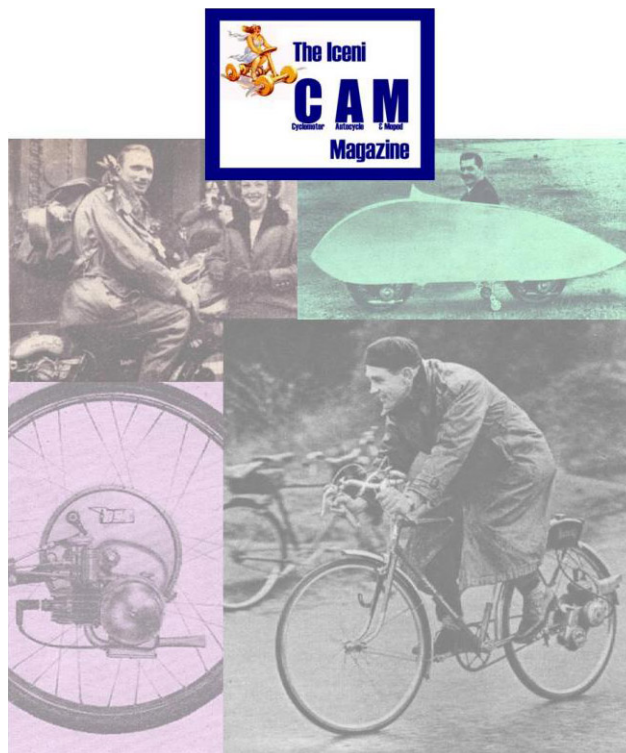
*Presentation  
of prizes  
at the  
Annual  
Sports Day*

BO50/11.

J.C.13.



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